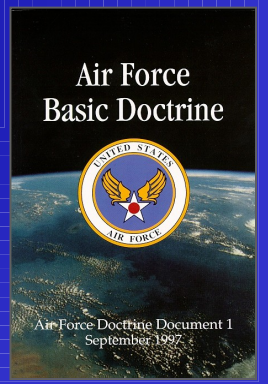
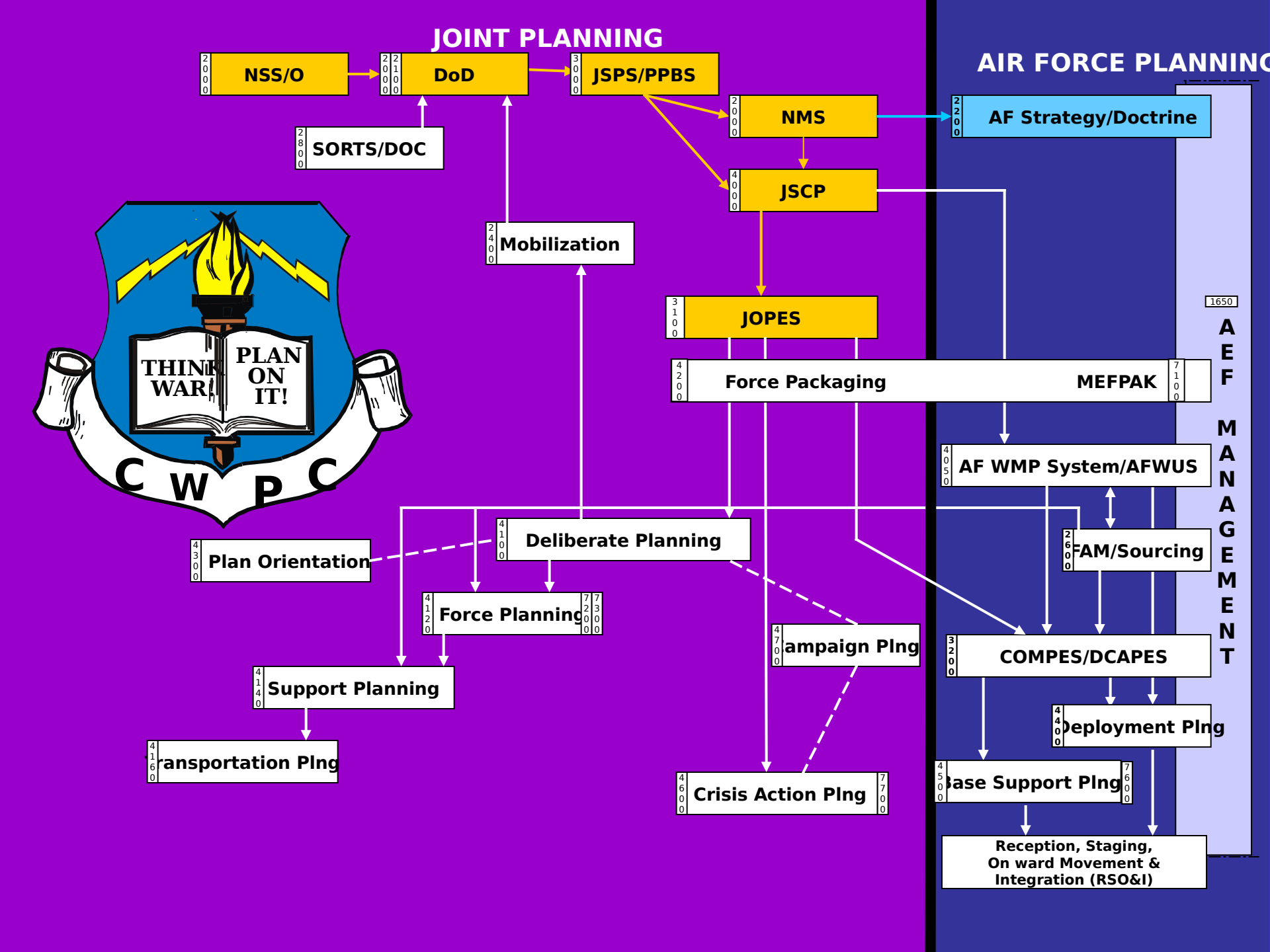
AN AIRMAN'S PERSPECTIVE: AIR FORCE DOCTRINE IP-2200




JOINT PLANNING
AIR FORCE PLANNING
2000 NSS/O
2000 2100 DoD
3000 JSPS/PPBS
2800 SORTS/DOC
2000 NMS
2200 AF Strategy/Doctrine
4000 JSCP
2400 Mobilization
3100 JOPES
1650 AEF MANAGEMENT
4200 Force Packaging
MEFPAK 7100
4050 AF WMP System/AFWUS
2600 FAM/Sourcing
4300 Plan Orientation
4100 Deliberate Planning
4120 Force Planning 7200 7300
4700 Campaign Plng
3200 COMPES/DCAPES
4140 Support Planning
4400 Deployment Plng
4160 Transportation Plng
4500 Base Support Plng 7600
4600 Crisis Action Plng 7700
Reception, Staging, On ward Movement & Integration (RSO&I)
THINK WAR! PLAN ON IT!
C W P C

Why Study Doctrine

Now I need your *personal attention* and support in two absolutely vital areas…the second is the *embracing* of our *doctrinal precepts* in the *organization* and *employment* of air and space power.

Gen Jumper CSAF

Overview

- What is Doctrine
- Air Perspective
- Principles of War/Tenets of Air and Space Power
- Distinctive Capabilities/Functions
- Summary

Overview

- What is Doctrine
- Air Perspective
- Principles of War/Tenets of Air and Space Power
- Distinctive Capabilities/Functions
- Summary

Doctrine

- The Air Force's agreed upon, operationally relevant ba… prin…

Flexible and Adaptive

- …
- Doct… enduring be… guide the proper use of Air and Space forces
- Is authoritative, but not directive

Doctrine Is About …

Warfighting … not *Physics*

Effects … not *Systems*

Using mediums … not *Owning* mediums

Organization … not Organizations

Synergy … not *Segregation*

Integration … not *Synchronization*

Preserving national treasure … not *Being* a national treasure

What's important … not *Who's* important

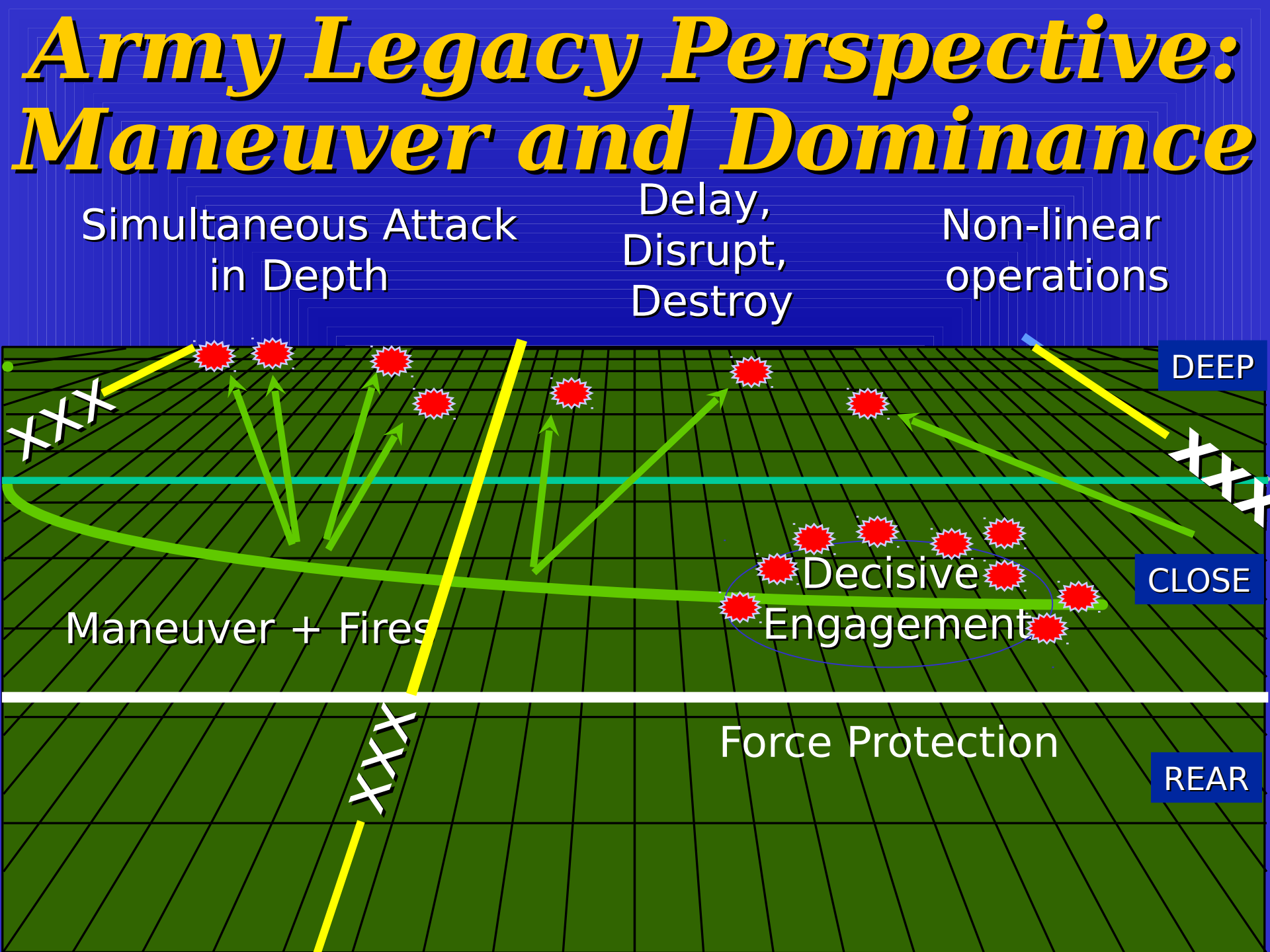
The Right Force… not *Equal Shares* of the force

Overview

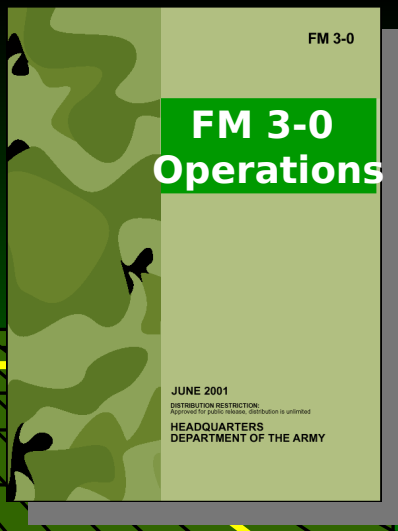
- What is Doctrine
- Air Perspective
- Principles of War/Tenets of Air and Space Power
- Distinctive Capabilities/Functions
- Summary

REMINDER

Army Legacy Perspective: Maneuver and Dominance



The Army Legacy Perspective



DEEP

XXX

XXX

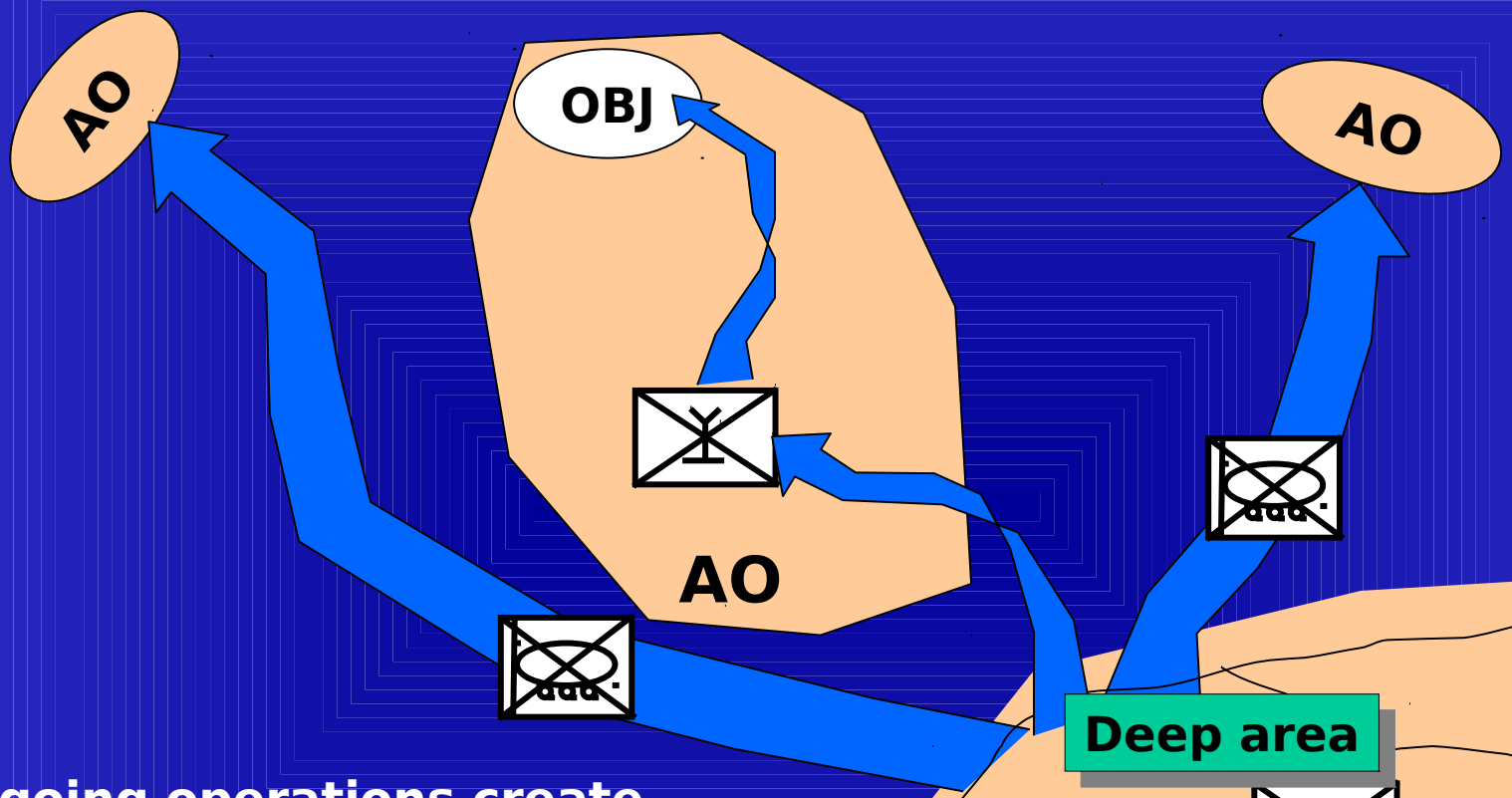
Maneuver + Fires

Decisive Engagement

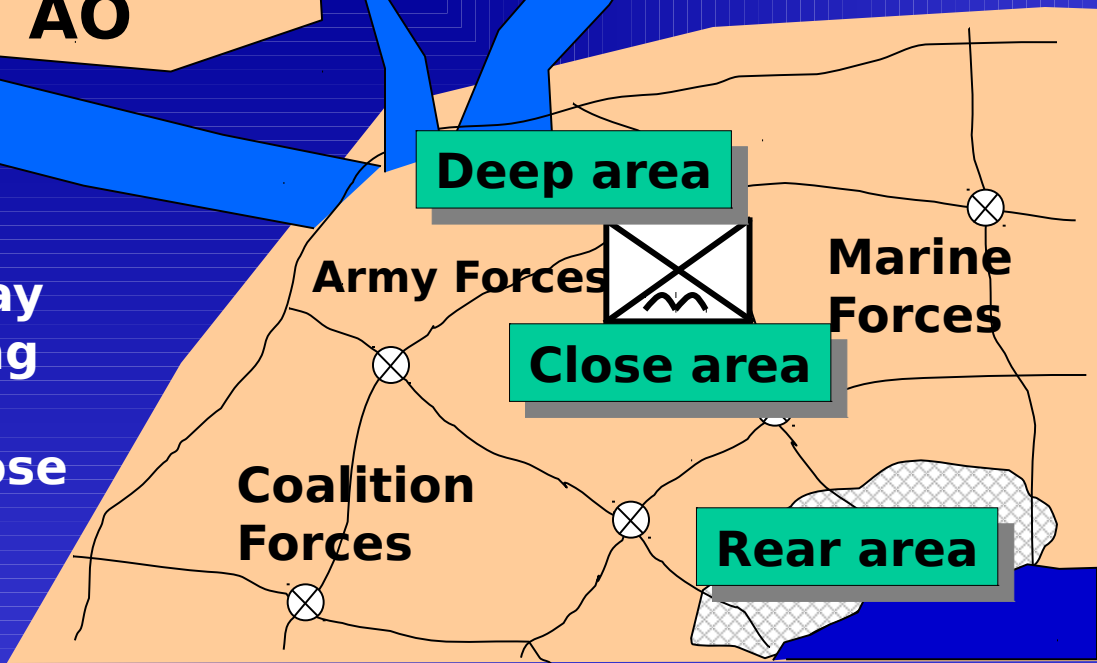
CLOSE

REAR

Adaptive Combinations



As ongoing operations create opportunity, the operation may become non-linear. capitalizing on simultaneity. Allocate the forces within the AO by purpose for: Decisive operations, Shaping operations, and Sustaining operations



Adaptive Combinations

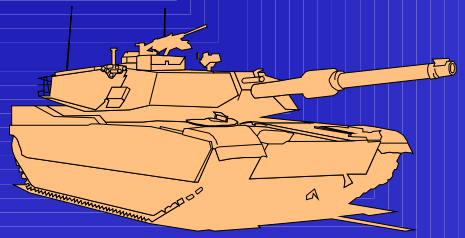
Army Transformation

KUBUL
35 km
OBJECTS IN MIRROR ARE
CLOSER THAN THEY APPEAR

Perspectives differ.

Army **Air power …**

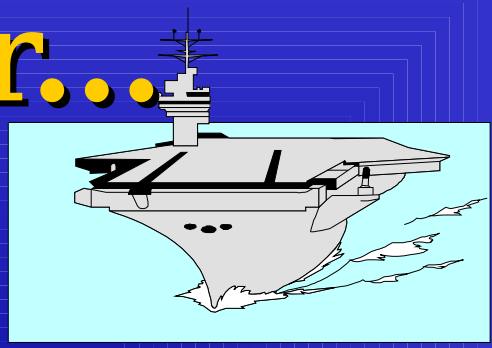
- Objective of ‘win the war’ best attained through land force operations . . .
- USAF provides “fires,” with primary job of supporting land maneuver warfare
- The two-dimensional view of force employment still largely predominant among land warriors
- Air may help shape the battlespace, but land forces are decisive



Navy Perspective:

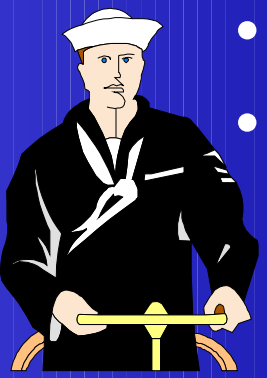
- **Sea Power 21: Operational Concepts for a New Era**
  - **Sea Shield**
    - **Projection of defensive power from the sea**
  - **Sea Strike**
    - **Projection of dominant and decisive power**
  - **Sea basing**
    - **Projecting sovereignty around the world**

Perspectives differ…



Navy Air power …

- Core Navy missions are battlespace dominance and power projection
- Fleet protection remains a primary focus
- Support of the Marines on shore
- Any excess aircraft available may be used to fulfill the Joint Force Commander's air objectives

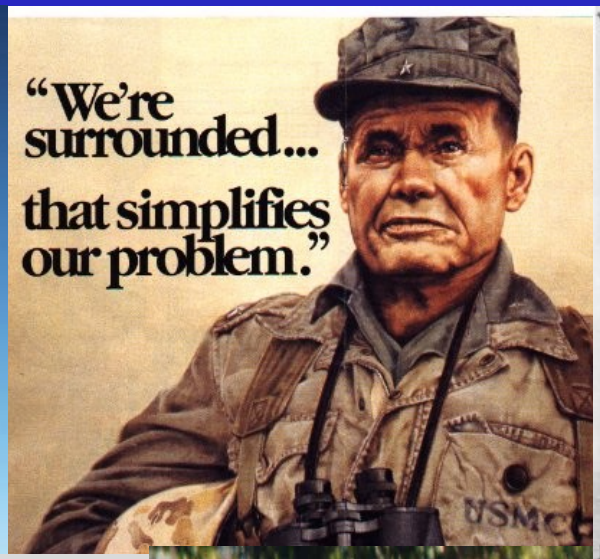


We're looking for a few good men.

If you are a MARINE --
then you believe that the
integrity and unity of the
MARINE Air-Ground Team
is a Holy and inviolate entity,
not to be interfered with by anyone,
including the
Joint Force Commander,

but especially not
an Air Force JFACC!

USMC Perspective



Operational Maneuver From the Sea

Perspectives differ...

Marine Air power ...

- Marines are a combined-arms team specializing in power projection “from the sea . . . ”
- Marines rely on air support as substitute for heavy artillery
- Top Marine priorities are land-oriented objectives . . . only “excess” air capability is available to support the commander’s air objectives

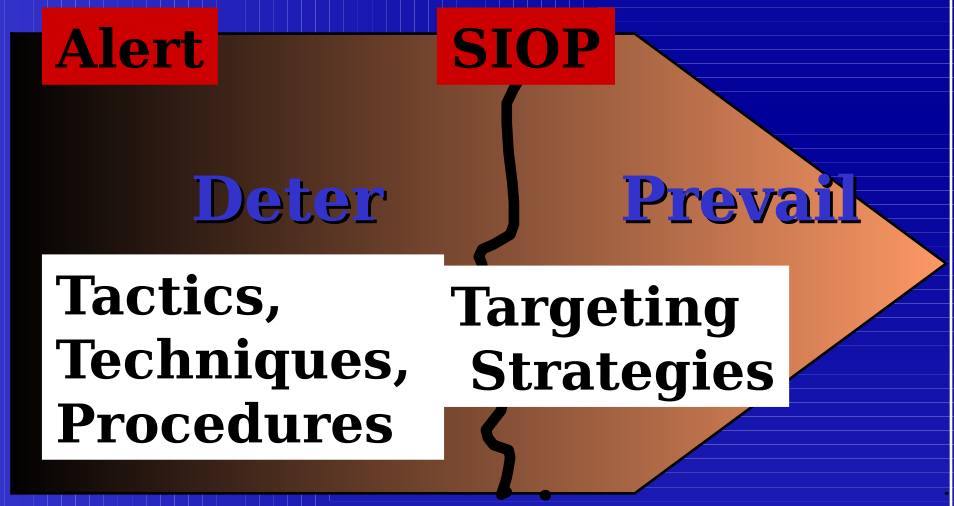
Perspectives differ

Special Operations Air power …

- Special Operations Forces are a combined-arms team that may be utilized primarily in tactical level operations
- Special Operations Forces have their own air support and air commander
- Special Operations Forces are functionally oriented and may be effectively integrated with Air and Space Power

Air Force Air Power Divided

SAC
Nuclear Subsumes
Strategic Air power



Nuclear Deterrence Nuclear War

TAC
Air aspects of the ground battle

Counter air

Close air support

Air interdiction

Tactical airlift

"Purpose of TAC is to support the US Army"
-TAC Commander Gen Russ

Airman's Perspective

If you are an AIRMAN --
then you believe that
AIR FORCES,
if used in certain ways,
can bring more rapid or less
expensive victory in war
than if used in other ways.

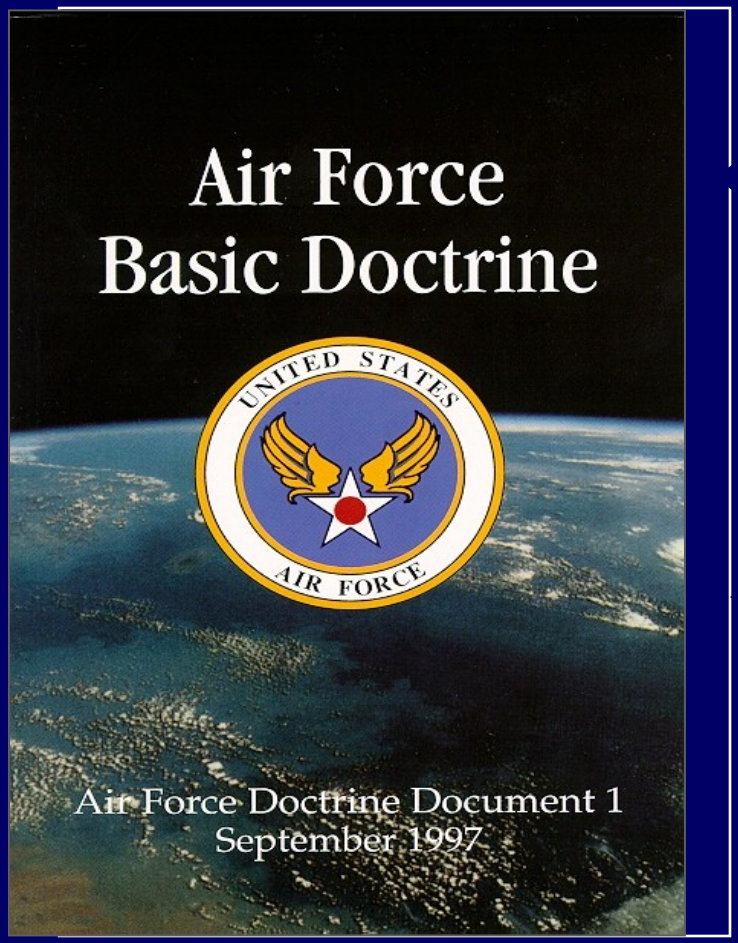
Overview

- What is Doctrine
- Air Perspective
- Principles of War/Tenets of Air and Space Power
- Distinctive Capabilities/Functions
- Summary

The Doctrine Funnel

Discuss Doctrine, Strategy and War

Discuss The Airman's Perspective



Air and Space Power Functions

Organizing US Air Forces

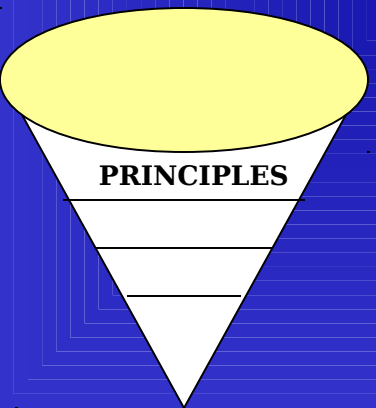
What we believe to be true about air and space power

Principles of War
An Airman's Perspective

- *Generally accepted "truths" which have historically proven effective*
- *Guides for Commanders to evaluate potential courses of action*

Objective
Offensive
Mass
Economy of
Force
Maneuver

Unity of
Command
Security
Surprise
Simplicity



ADEATER

Principles of War -- Objective

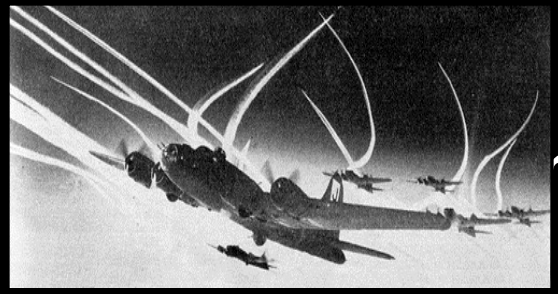
- Political and military goals should be complementary and clearly articulated
- Shapes priorities to allow military forces to concentrate on priorities
- Air and space forces do not normally need to sequentially achieve objectives
- Clearly Defined, Attainable, Measurable

Obj: Gain/Maintain A/S in Afghanistan Theater of Operations

Objective--Clearly Defined, Attainable, Mea

Mass

The speed, range, and flexibility of air power complemented by the accuracy and lethality of precision weapons have redefined mass as an effect…not just helming quantity.



World War II

1,500 B-17s

ne target – 9000 bombs

3,300 ft accuracy

Vietnam

30 F-4s

One target – 176 bombs

400 ft accuracy

Desert Storm

1 F-117

2 targets – 2 bombs

10 ft accuracy

Clear night

Today

1 B-2

16 targets – 16 bombs

19 ft accuracy

All weather

Precision allows us to hit specific target elements, quickly creating desired effects, easily repairable for

Tenets of Air and Space Power

-The tenets complement the principles of war, but provide more specific considerations for air and space forces

-- Tenets reflect the specific lessons of air and space operations over history

Centralized control/decentralized execution

Flexible and Versatile

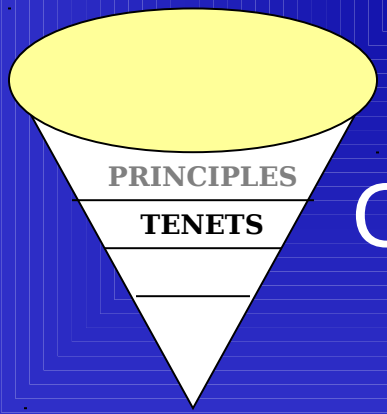
Synergistic effects

Persistence

Concentration of purpose

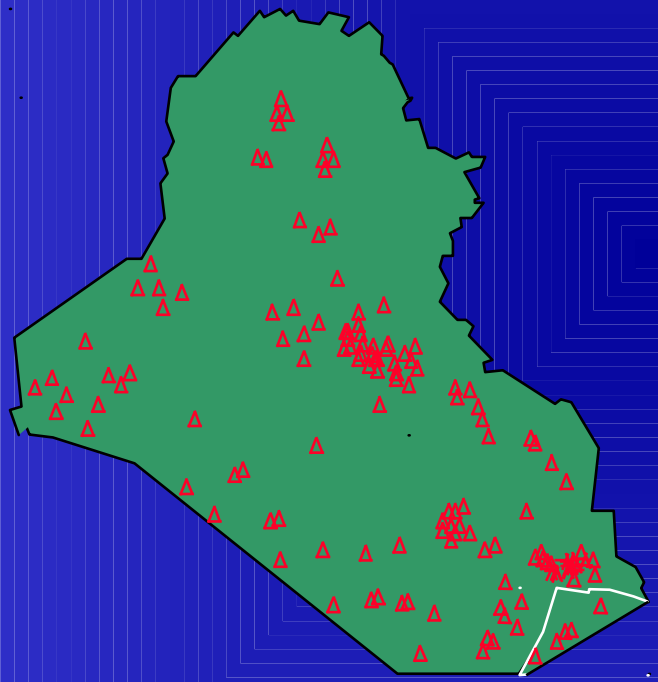
Prioritized

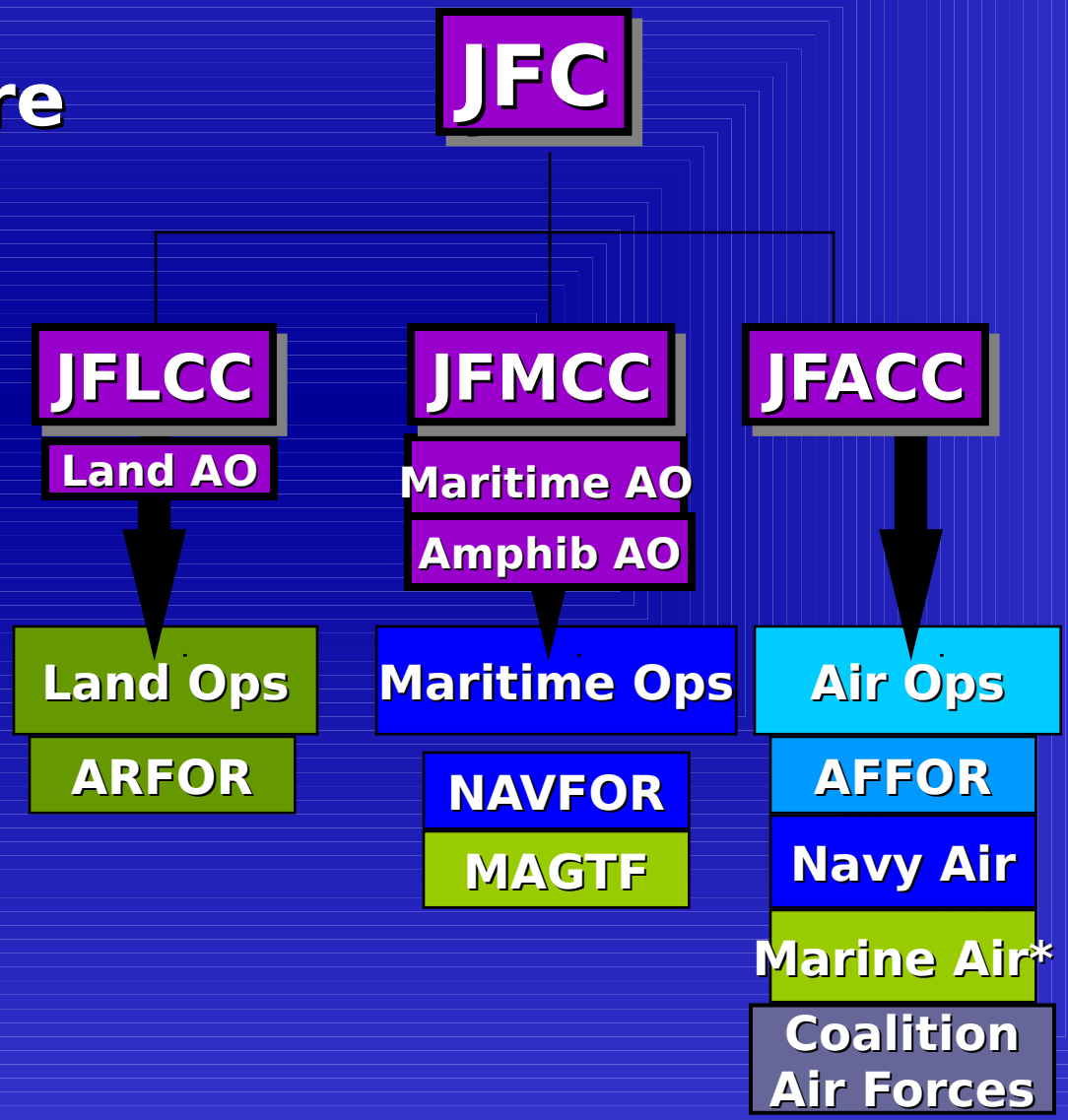
Balanced



Centralized Control by an Airman

Desert Storm Command Structure





Vietnam War Command Structure No Centralized Control of Air Power

CINCPAC--Navy Admiral Honolulu, Hawaii

Carrier Task Force 77--Navy Admiral in Gulf of Tonkin

7th AF--Air Force General in South Vietnam

13th AF--Air Force General in Thailand

SAC--Air Force General in Omaha, NE

USMC Air--USMC General in Vietnam

Military Assistance Command Vietnam -- (MACV) Army General in Saigon

Republic of Vietnam Air Force (RVAF) --Vietnamese General in Saigon

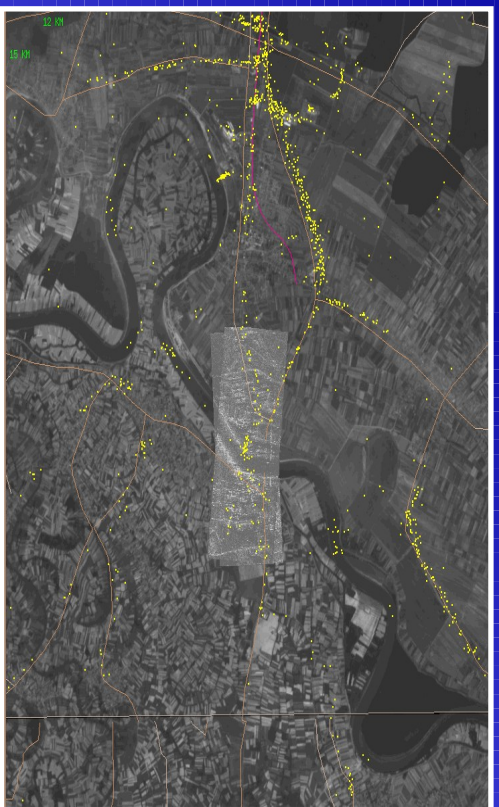
Command Arrangements were a

Decentralized Execution

Offensive action, or *initiative*, provides the means for air and space forces to dictate battlespace operations

Flexibility and Versatility

JSTARS MTI, Satellite, SAR



F-16C LANTIRN

The unmatched flexibility and versatility of Air and Space Power permit decisions depending on mass, maneuver, or dispersal of combat power to be made and executed within minutes…and across the strategic, operational, and tactical levels

Synergistic Effects

OCA

TLAM

S U P P O R T

FIGHTE

AD

SAM

CAS

CAS AIR

AEGIS

Y AVIATION

RS/

MCC

LCC

SA / INT

Taliban / al Qa'ida Leadership

- Mission: Destroy leadership facility and vehicles
- Significance: Persistent, multi-disciplinary cross-cueing positions AC-130 for precise kill

AC-130 linked with new technology (Predator) to find/kill the enemy

Taliban / al Qa'ida Leadership

- Combined Air Operations Center tasks Predator and JSTARS to area based on reports of leadership meeting

- JSTARS cross-cues Predator to vehicle convoy

- Predator tracks convoy to compound
- Analysts identify small mosque as no-strike targ

Moving Target Indicator Display

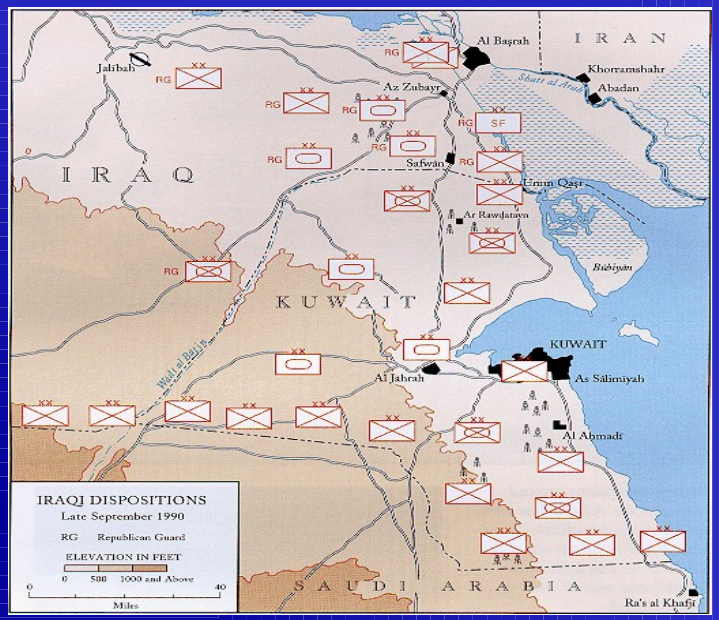
Taliban / al Qa'ida Leadership

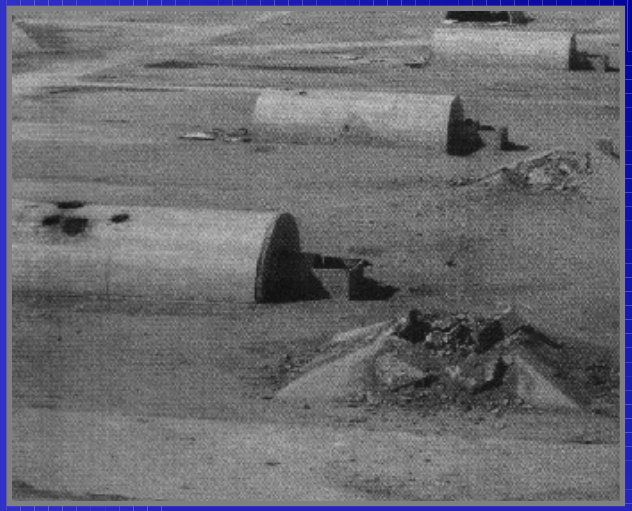
- Combined Air Operations Center
  tasks AC-130 to target area
- Predator maintains track until
  AC-130 arrives on-station
- Predator performs C2 role and
  cues Gunship to target

Taliban / al Qa'ida Leadership

- AC-130 conducts precise strike against vehicles, buildings, and personnel - Mosque left untouched
- Predator remains on-station to provide immediate assessment

Persistence





What it proved to the enemy

- If you dig in, you die!
- If you come out, you die sooner

Priority/Balance

The demands for air and space forces will likely swamp air commanders in future conflicts unless appropriate priorities are established. . . . similarly, balance is an essential guideline for air commanders.

AFDD 1

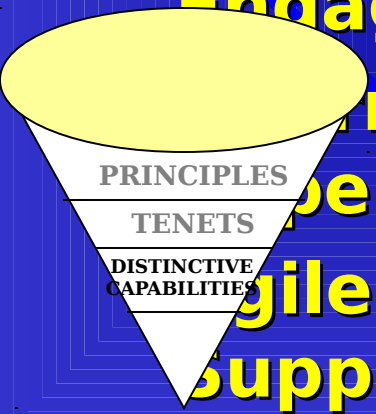
- Finite number of air assets--prioritizing targets a necessity
- Balance between target destruction and force survival

Distinctive Capabilities

Distinctive Capabilities **Unique Characteristics**

- Air & Space Superiority
- Global Attack
- Rapid Global Mobility
- Precision Engagement
- [illegible]mation
- [illegible]periority
- [illegible]gile Combat
- Support

- Speed
- Range
- Freedom of Maneuver
- Perspective



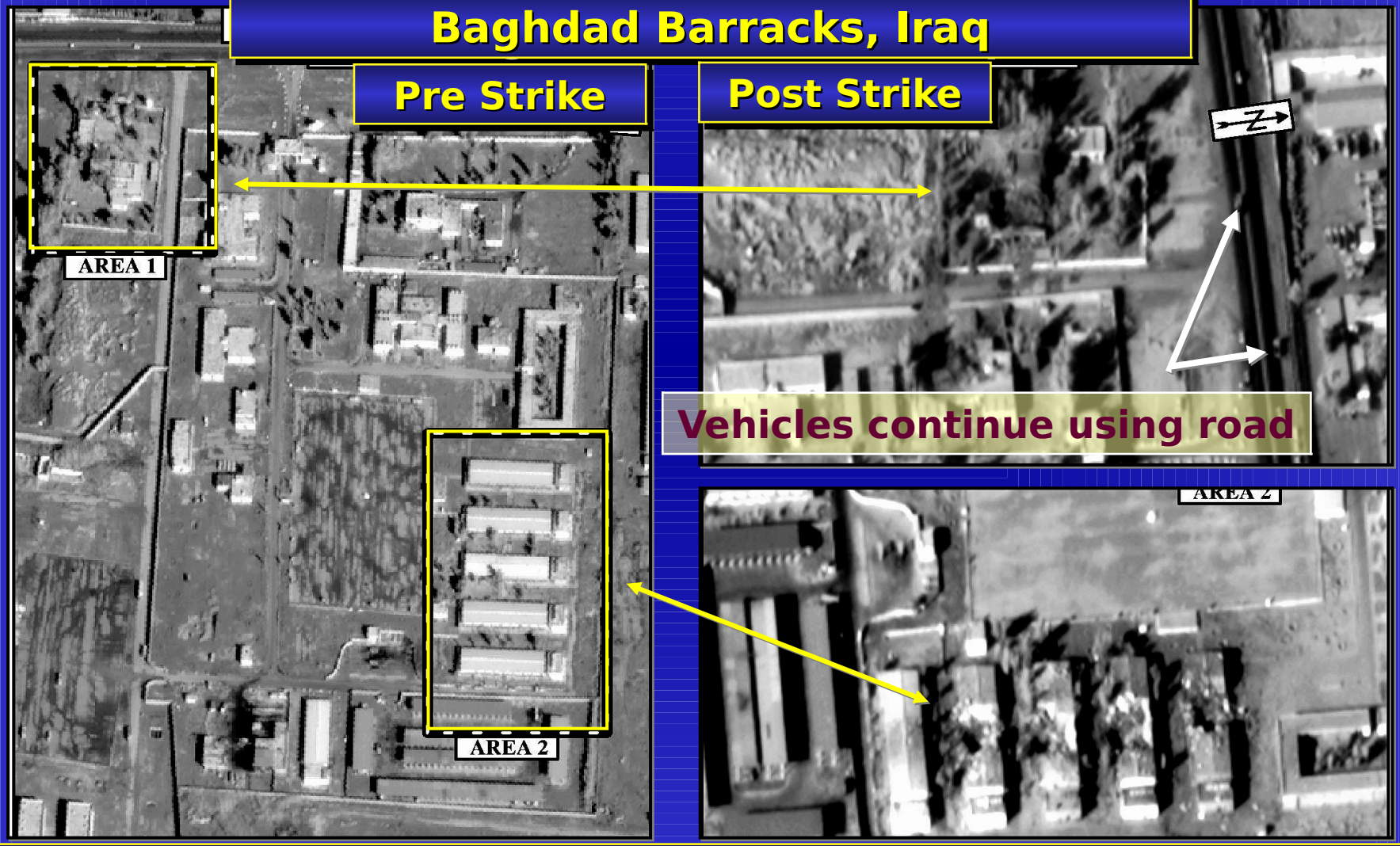
Not doctrine per se, but *enablers*

The *first-order translation* of

Precision Engagement

Destruction Without Disruption

Baghdad Barracks, Iraq



After striking important military facilities, civilian activities unhampered

Precision Engagement

DESERT STORM

- *10%* of strike aircraft capable of employing PGMs
- *9%* of bombs were precision guided
- LGB's *hampered by weather*

ALLIED FORCE

- *Over 90%* of strike aircraft capable of employing PGMs
- *29%* of bombs were precision guided
- GPS-assisted bombs *overcame weather*

ENDURING FREEDOM

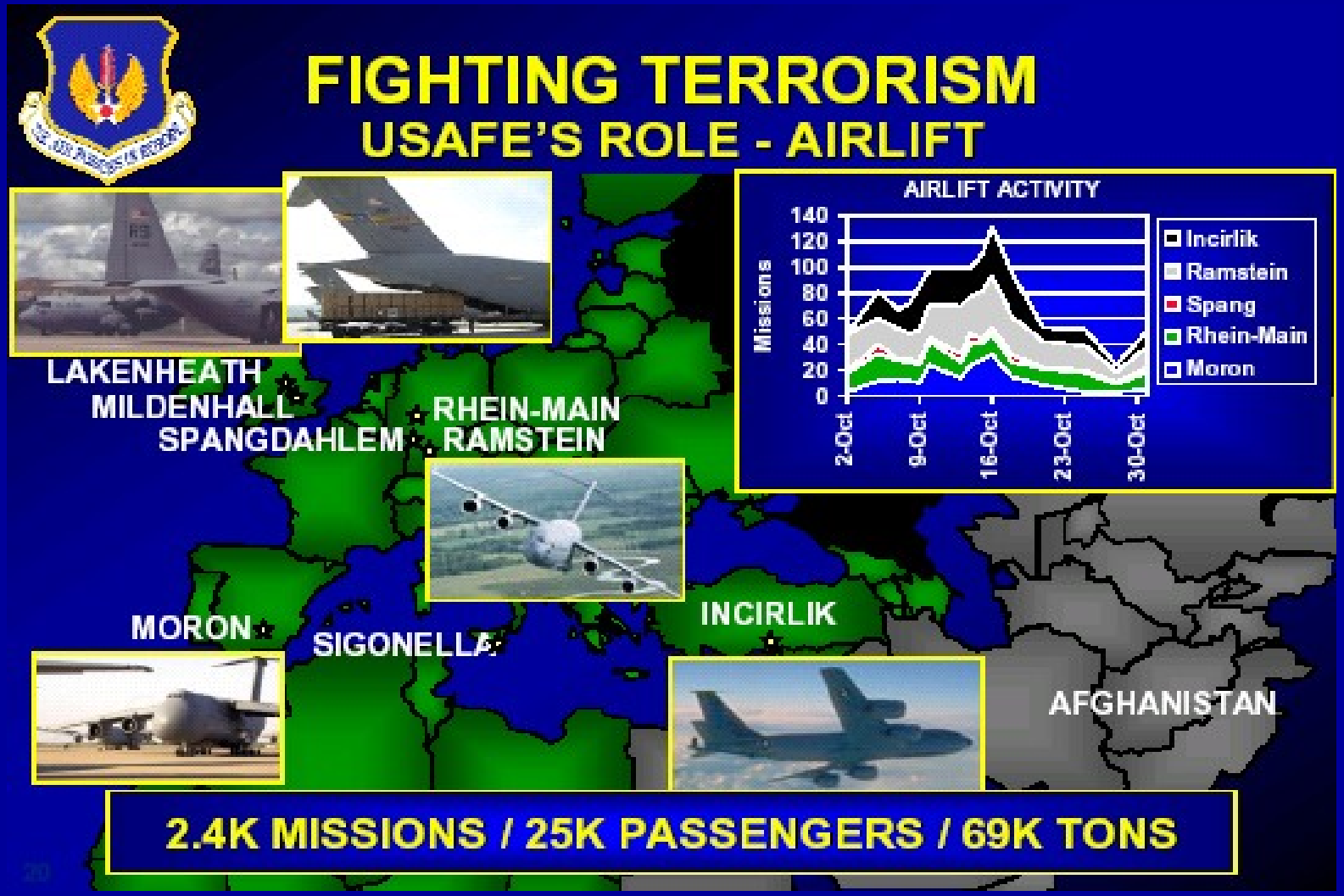
- *100%* of strike aircraft capable of employing PGMs
- *49%* of bombs were precision guided
- More GPS-assisted bombs *allow quicker results and all-weather support to ground forces*

IRAQI FREEDOM

- *100%* of strike aircraft capable of employing PGMs
- *68%* of bombs were precision guided

Advances in weapons and delivery systems allows us to use the appropriate mix of both precision and non-

Rapid Global Mobility



Global Attack

Agile Combat Support

- Crucial to meeting the demands of today's rapidly changing environ
- Ensures responsive expeditionary support for right sized forces conducting joint operations that are achieved within resource constra

OIF Air Mobility Sorties

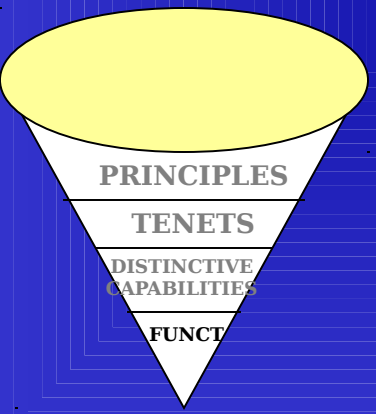
	Tanker	Airlift	Total	Percent
USAF	6,193	7,413	13,606	81.3%
Navy	2,058	0	2,058	12.3%
USMC	454	0	454	2.7%
Army	0	0	0	0
Allies	359	263	622	3.7%
Total	9,064	7,676	16,740	

Air and Space Power Functions

The broad, fundamental and continuing activities of air and space power to achieve strategic, operational and tactical level objectives across the spectrum of conflict

- Counterair
- Counterspace
- Counterland
- Countersea
- Information Operations
- Strategic Attack
- Command & Control
- Airlift
- Spacelift

- Air Refueling
- Special Operations
- Intelligence
- Surveillance & Reconnaissance
- Combat SAR
- Navigation & Positioning
- Weather Services
- Combat Support



Counterland

Counterland

**"Qusay Hussein ordered three Republican Guard divi
to maneuver into position to oppose the U.S. advanc
Baghdad. But the divisions were essentially destroye
airstrikes when they were still about 30 miles south
the capital. This affected the morale of the troops.
Iraqi will to fight was broken outside Baghdad."**

- Iraqi General Staff Colonel Ghassan

Counterland

- Explore types of Counterland operations that occurred during ALLIED FORCE, ENDURING FREEDOM and IRAQI FREEDOM
  - Was it Close Air Support (Troops in contact)?
  - Was it Interdiction (no or limited surface maneuver forces involved)?
  - Was it a new category?

Summary

- What is Doctrine
- Air Perspective
- Principles of War/Tenets of Air and Space Power
- Distinctive Capabilities/Functions

Questions?

Jeff Hukill

College of Aerospace Doctrine, Research and Educatio